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=> s l13
SAMPLE SEARCH INITIATED 13:19:10 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      255 TO ITERATE

100.0% PROCESSED      255 ITERATIONS                                 4 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         4142 TO     6058
PROJECTED ANSWERS:               4 TO      200

L14           4 SEA SSS SAM L13

=> s l13 sss full
FULL SEARCH INITIATED 13:19:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     5221 TO ITERATE

100.0% PROCESSED     5221 ITERATIONS                               44 ANSWERS
SEARCH TIME: 00.00.01

L15          44 SEA SSS FUL L13

=> file caplus
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   178.82     575.92

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                       ENTRY    SESSION
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FILE COVERS 1907 - 7 Jan 2008  VOL 148 ISS 2
FILE LAST UPDATED: 6 Jan 2008  (20080106/ED)

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=> s l15
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L16 1 L15

=> d l16 bib abs hitstr

L16 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2005:570814 CAPLUS
DN 143:97397
TI Preparation of tricyclic 1-[(3-indol-3-yl)carbonyl]piperazine derivatives as cannabinoid CB1 receptor agonists
IN Adam-Worrall, Julia
PA Akzo Nobel N. V., Neth.
SO PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005058327	A1	20050630	WO 2004-EP53421	20041213
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	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2004298782	A1	20050630	AU 2004-298782	20041213
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	EP 1696930	A1	20060906	EP 2004-804784	20041213
	EP 1696930	B1	20070411		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
	CN 1893953	A	20070110	CN 2004-80037747	20041213
	BR 2004017626	A	20070327	BR 2004-17626	20041213
	AT 359078	T	20070515	AT 2004-804784	20041213
	JP 2007526242	T	20070913	JP 2006-544422	20041213
	ES 2284076	T3	20071101	ES 2004-4804784	20041213
	US 2007088025	A1	20070419	US 2006-583013	20060615
	MX 2006PA06928	A	20060904	MX 2006-PA6928	20060616
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OS CASREACT 143:97397; MARPAT 143:97397
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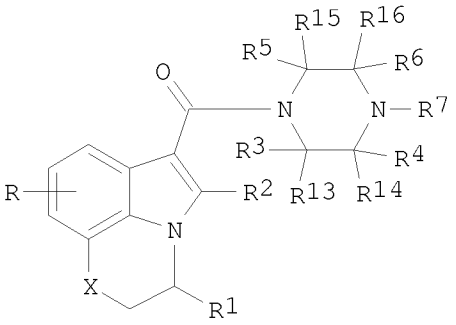

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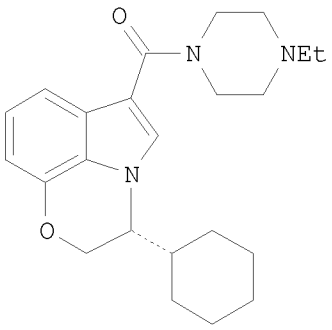
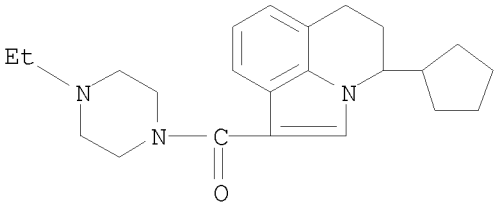


II

AB Tricyclic 1-[(indol-3-yl)carbonyl]piperazine derivs. [X = CH2, O, S; R = 1-3 substituents H, C1-4 alkyl, C1-4 alkyloxy, halo; R1 = C5-8 cycloalkyl; R2 = H, C1-4 alkyl; R3-R6, R13-R16 = H, (un)substituted C1-4 alkyl; ,with (C1-4)alkyloxy, OH or halo; R6R7 may form 4-7 membered saturated heterocyclic ring, optionally containing further heteroatom O and S; R7 = H, (un)substituted C1-4 alkyl, C3-5 cycloalkyl] or pharmaceutically acceptable salt thereof are described as cannabinoid CB1 receptor agonists. The invention also relates to pharmaceutical compns. comprising I and to their use in the treatment of pain, such as peri-operative pain, chronic pain neuropathic pain, cancer pain, and pain and spasticity associated with multiple sclerosis. Thus, title compound II (as its HCl salt) was prepared in 9 steps from N-tert-butoxycarbonyl-D-cyclohexylglycine, 2-bromophenol, Et pyruvate, and N-ethylpiperazine. II and related compds. I showed pEC50 values between 7.1 and 8.4 at the human cannbinoid CB1 receptor expressed in hamster CHO cells.

IT 856703-13-4P 856703-14-5P 856703-39-4P
RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of tricyclic (indolylcarbonyl)piperazine derivs. as cannabinoid CB1 receptor agonists)

RN 856703-13-4 CAPLUS
CN Piperazine, 1-[(4-cyclopentyl-5,6-dihydro-4H-pyrrolo[3,2,1-ij]quinolin-1-yl)carbonyl]-4-ethyl-, monohydrochloride (9CI) (CA INDEX NAME)

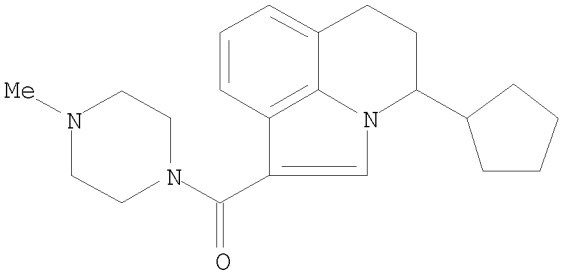


● HCl

RN 856703-14-5 CAPLUS
CN Piperazine, 1-[(4-cyclopentyl-5,6-dihydro-4H-pyrrolo[3,2,1-ij]quinolin-1-

yl)carbonyl]-4-methyl-, monohydrochloride, (+)- (9CI) (CA INDEX NAME)

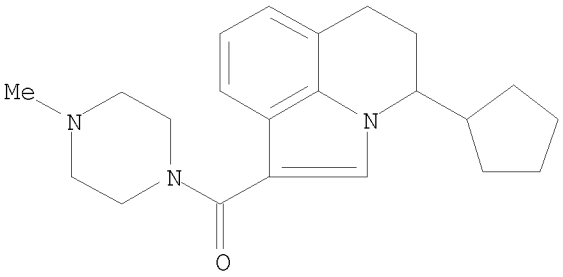
Rotation (+).



● HCl

RN 856703-39-4 CAPLUS
CN Piperazine, 1-[(4-cyclopentyl-5,6-dihydro-4H-pyrrolo[3,2,1-ij]quinolin-1-yl)carbonyl]-4-methyl-, monohydrochloride, (-)- (9CI) (CA INDEX NAME)

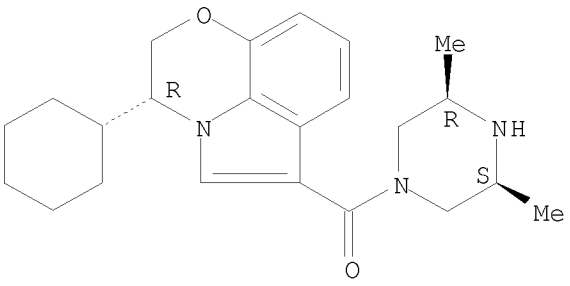
Rotation (-).



● HCl

IT 856703-38-3P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of tricyclic (indolylcarbonyl)piperazine derivs. as cannabinoid CB1 receptor agonists)
RN 856703-38-3 CAPLUS
CN Piperazine, 1-[[(3R)-3-cyclohexyl-2,3-dihydropyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]carbonyl]-3,5-dimethyl-, monohydrochloride, (3R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



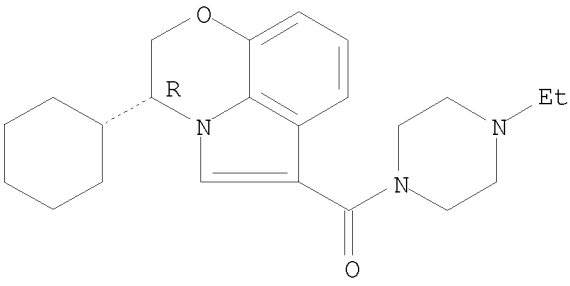
● HCl

IT 856703-03-2P 856703-04-3P 856703-05-4P
856703-06-5P 856703-07-6P 856703-08-7P
856703-09-8P 856703-10-1P 856703-11-2P
856703-12-3P 856703-15-6P 856703-16-7P
856703-17-8P 856703-18-9P 856703-37-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of tricyclic (indolylcarbonyl)piperazine derivs. as cannabinoid CB1 receptor agonists)

RN 856703-03-2 CAPLUS

CN Piperazine, 1-[[(3R)-3-cyclohexyl-2,3-dihydropyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]carbonyl]-4-ethyl-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

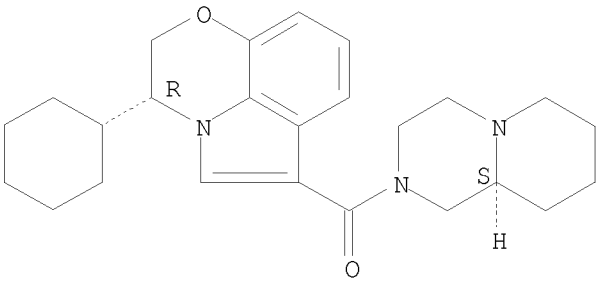


● HCl

RN 856703-04-3 CAPLUS

CN 2H-Pyrido[1,2-a]pyrazine, 2-[[(3R)-3-cyclohexyl-2,3-dihydropyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]carbonyl]octahydro-, monohydrochloride, (9aS)-(9CI) (CA INDEX NAME)

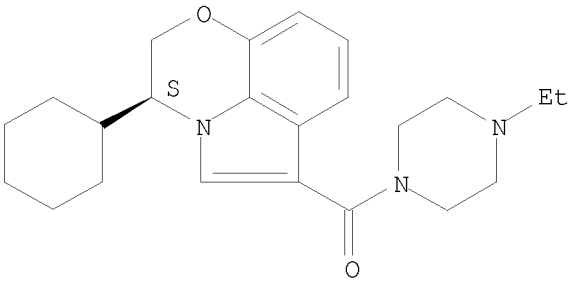
Absolute stereochemistry. Rotation (-).



● HCl

RN 856703-05-4 CAPLUS
CN Piperazine, 1-[[(3S)-3-cyclohexyl-2,3-dihydropyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]carbonyl]-4-ethyl-, monohydrochloride (9CI) (CA INDEX NAME)

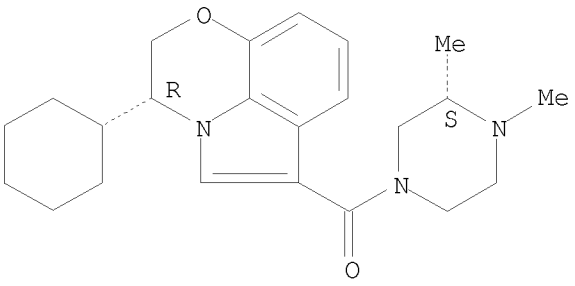
Absolute stereochemistry. Rotation (+).



● HCl

RN 856703-06-5 CAPLUS
CN Piperazine, 4-[[(3R)-3-cyclohexyl-2,3-dihydropyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]carbonyl]-1,2-dimethyl-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)

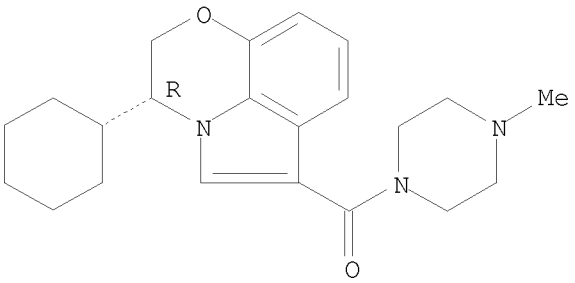
Absolute stereochemistry.



● HCl

RN 856703-07-6 CAPLUS
CN Piperazine, 1-[[(3R)-3-cyclohexyl-2,3-dihydropyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]carbonyl]-4-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

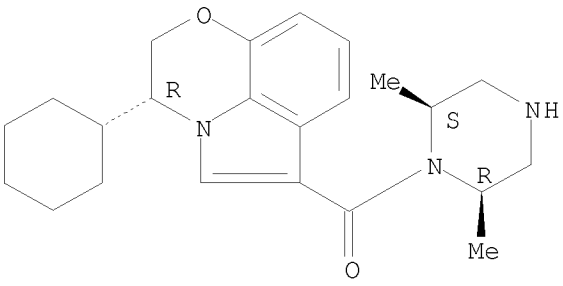
Absolute stereochemistry. Rotation (-).



● HCl

RN 856703-08-7 CAPLUS
CN Piperazine, 1-[[(3R)-3-cyclohexyl-2,3-dihydropyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]carbonyl]-2,6-dimethyl-, monohydrochloride, (2R,6S)- (9CI) (CA INDEX NAME)

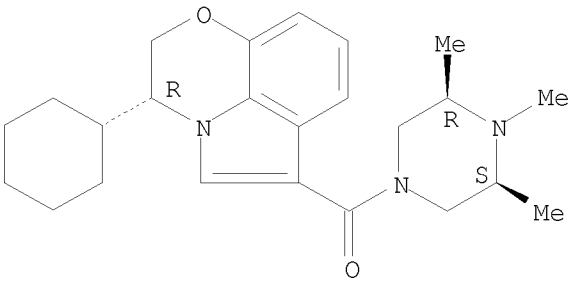
Absolute stereochemistry. Rotation (-).



● HCl

RN 856703-09-8 CAPLUS
CN Piperazine, 4-[[(3R)-3-cyclohexyl-2,3-dihydropyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]carbonyl]-1,2,6-trimethyl-, monohydrochloride, (2R,6S)- (9CI) (CA INDEX NAME)

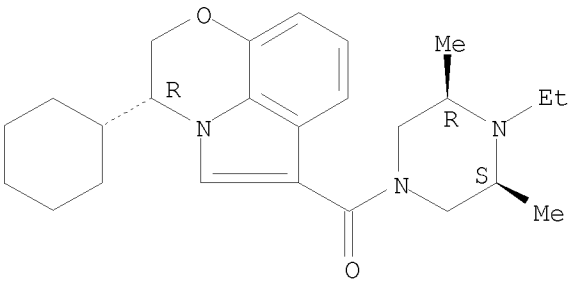
Absolute stereochemistry. Rotation (-).



● HCl

RN 856703-10-1 CAPLUS
CN Piperazine, 4-[[(3R)-3-cyclohexyl-2,3-dihydropyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]carbonyl]-1-ethyl-2,6-dimethyl-, monohydrochloride, (2R,6S)- (9CI) (CA INDEX NAME)

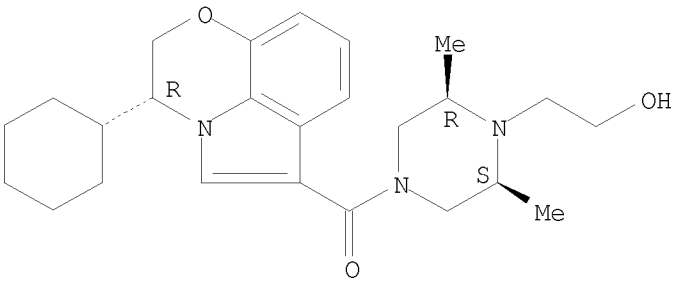
Absolute stereochemistry. Rotation (-).



● HCl

RN 856703-11-2 CAPLUS
CN 1-Piperazineethanol, 4-[[(3R)-3-cyclohexyl-2,3-dihydropyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]carbonyl]-2,6-dimethyl-, monohydrochloride, (2R,6S)- (9CI) (CA INDEX NAME)

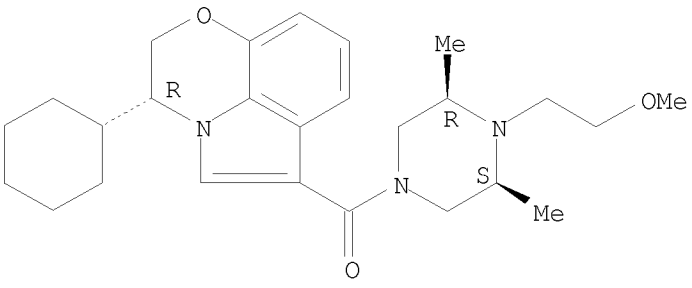
Absolute stereochemistry. Rotation (-).



● HCl

RN 856703-12-3 CAPLUS
CN Piperazine, 4-[[(3R)-3-cyclohexyl-2,3-dihydropyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]carbonyl]-1-(2-methoxyethyl)-2,6-dimethyl-, monohydrochloride, (2R,6S)- (9CI) (CA INDEX NAME)

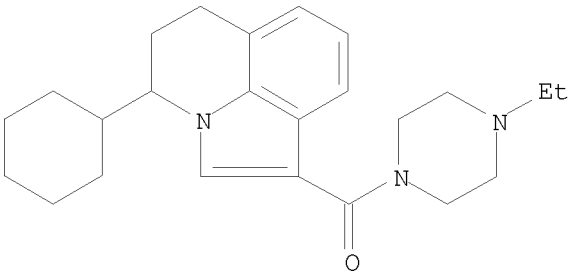
Absolute stereochemistry. Rotation (-).



● HCl

RN 856703-15-6 CAPLUS
CN Piperazine, 1-[(4-cyclohexyl-5,6-dihydro-4H-pyrrolo[3,2,1-ij]quinolin-1-yl)carbonyl]-4-ethyl-, monohydrochloride, (+)- (9CI) (CA INDEX NAME)

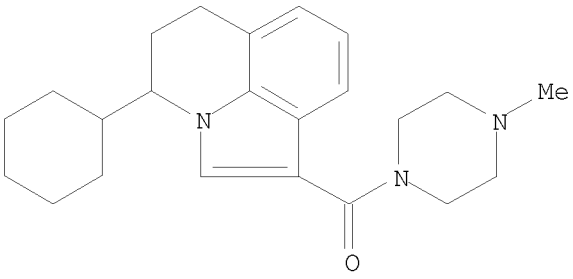
Rotation (+).



● HCl

RN 856703-16-7 CAPLUS
CN Piperazine, 1-[(4-cyclohexyl-5,6-dihydro-4H-pyrrolo[3,2,1-ij]quinolin-1-yl)carbonyl]-4-methyl-, monohydrochloride, (+)- (9CI) (CA INDEX NAME)

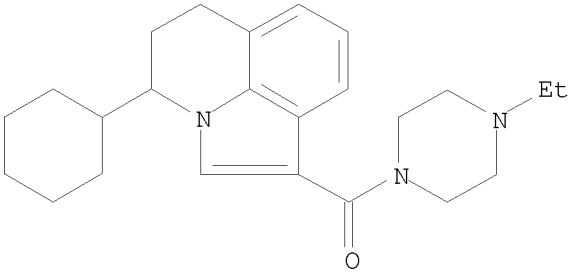
Rotation (+).



● HCl

RN 856703-17-8 CAPLUS
CN Piperazine, 1-[(4-cyclohexyl-5,6-dihydro-4H-pyrrolo[3,2,1-ij]quinolin-1-yl)carbonyl]-4-ethyl-, monohydrochloride, (-)- (9CI) (CA INDEX NAME)

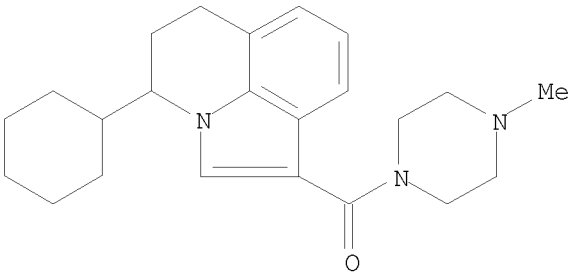
Rotation (-).



● HCl

RN 856703-18-9 CAPLUS
CN Piperazine, 1-[(4-cyclohexyl-5,6-dihydro-4H-pyrrolo[3,2,1-ij]quinolin-1-yl)carbonyl]-4-methyl-, monohydrochloride, (-)- (9CI) (CA INDEX NAME)

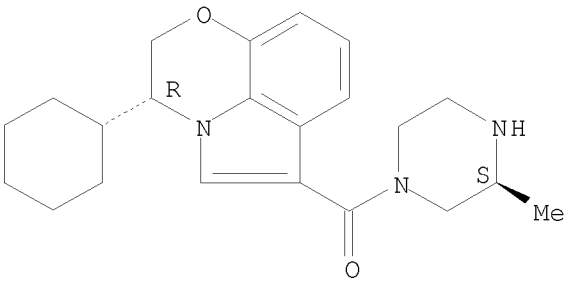
Rotation (-).



● HCl

RN 856703-37-2 CAPLUS
CN Piperazine, 1-[[(3R)-3-cyclohexyl-2,3-dihydropyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]carbonyl]-3-methyl-, monohydrochloride, (3S)- (9CI) (CA INDEX NAME)

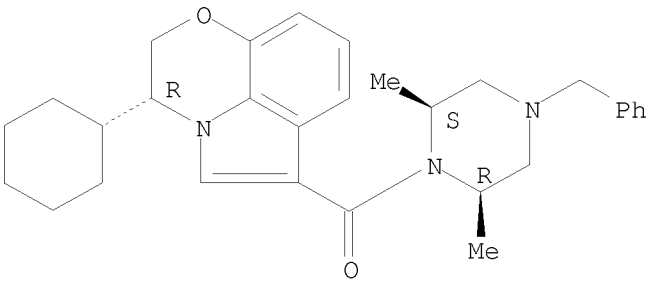
Absolute stereochemistry. Rotation (-).



● HCl

IT 856703-28-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of tricyclic (indolylcarbonyl)piperazine derivs. as cannabinoid CB1 receptor agonists)
RN 856703-28-1 CAPLUS
CN Piperazine, 1-[[(3R)-3-cyclohexyl-2,3-dihydropyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]carbonyl]-2,6-dimethyl-4-(phenylmethyl)-, monohydrochloride, (2R,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

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ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.93	581.85

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.80	-4.80

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FULL ESTIMATED COST 0.46 582.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE ENTRY TOTAL SESSION

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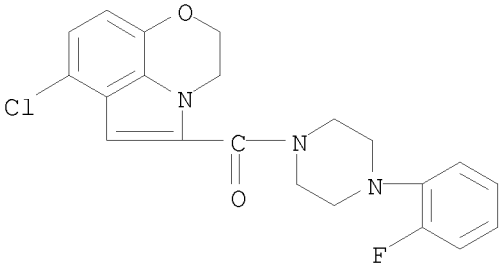
CHEMCATS now contains more than 17 million records. See HELP CONTENT and NEWS FILE for details.

=> s l7
SUBSTANCE QUERIES NOT VALID IN THIS FILE
The logic expression entered contains L#s or saved query names which correspond to structures built by the STRUCTURE command or to screen sets. These must be searched in a substance file such as the REGISTRY file. In some files you may use a Registry Number answer set from a structure search as a search term or profile in some bibliographic file containing Registry Numbers, e.g. the CA file. For an explanation, enter "HELP CROSSOVER" at an arrow prompt (=>).

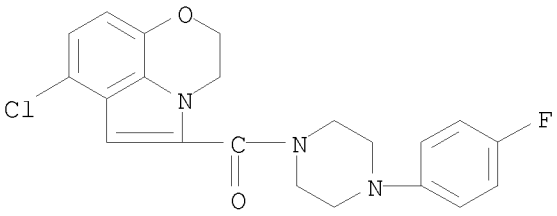
=> s l15
L18 8 L15

=> d l18 1-8 ide

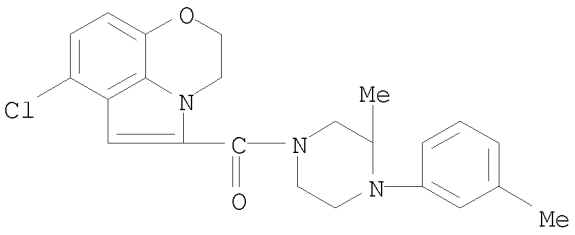
L18 ANSWER 1 OF 8 CHEMCATS COPYRIGHT 2008 ACS on STN
Accession No. (AN): 2039153126 CHEMCATS
Catalog Name (CO): ChemDiv Discovery Chemistry Collection Public Database
Publication Date (PD): 2 Oct 2007
Order Number (ON): E762-0959
Chemical Name (CN): Chemical name not yet assigned
CAS Registry No. (RN): 894190-26-2
Supplementary Term (ST): CHEMICAL LIBRARY
Structure :



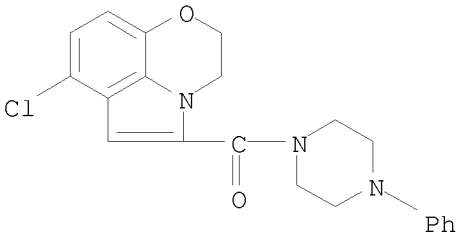
L18 ANSWER 2 OF 8 CHEMCATS COPYRIGHT 2008 ACS on STN
Accession No. (AN): 2039153125 CHEMCATS
Catalog Name (CO): ChemDiv Discovery Chemistry Collection Public Database
Publication Date (PD): 2 Oct 2007
Order Number (ON): E762-0951
Chemical Name (CN): Chemical name not yet assigned
CAS Registry No. (RN): 894190-22-8
Supplementary Term (ST): CHEMICAL LIBRARY
Structure :



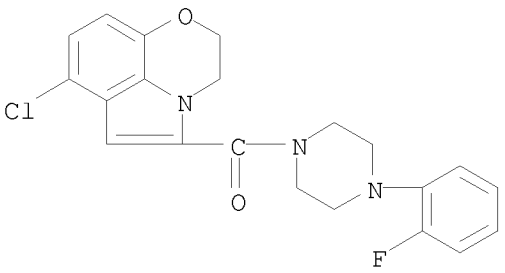
L18 ANSWER 3 OF 8 CHEMCATS COPYRIGHT 2008 ACS on STN
Accession No. (AN): 2039153121 CHEMCATS
Catalog Name (CO): ChemDiv Discovery Chemistry Collection Public Database
Publication Date (PD): 2 Oct 2007
Order Number (ON): E762-0934
Chemical Name (CN): Chemical name not yet assigned
CAS Registry No. (RN): 894190-07-9
Supplementary Term (ST): CHEMICAL LIBRARY
Structure :



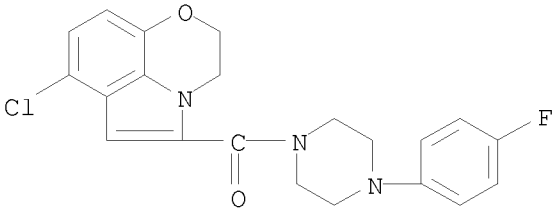
L18 ANSWER 4 OF 8 CHEMCATS COPYRIGHT 2008 ACS on STN
Accession No. (AN): 2039153119 CHEMCATS
Catalog Name (CO): ChemDiv Discovery Chemistry Collection Public Database
Publication Date (PD): 2 Oct 2007
Order Number (ON): E762-0925
Chemical Name (CN): Chemical name not yet assigned
CAS Registry No. (RN): 894190-00-2
Supplementary Term (ST): CHEMICAL LIBRARY
Structure :



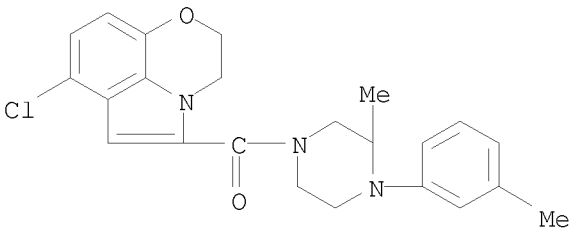
L18 ANSWER 5 OF 8 CHEMCATS COPYRIGHT 2008 ACS on STN
Accession No. (AN): 2029550156 CHEMCATS
Catalog Name (CO): Aurora Screening Library
Publication Date (PD): 6 Sep 2007
Order Number (ON): kcd-494756
Chemical Name (CN): Chemical name not yet assigned
CAS Registry No. (RN): 894190-26-2
Supplementary Term (ST): CHEMICAL LIBRARY
Structure :



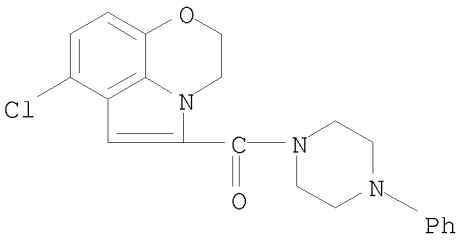
L18 ANSWER 6 OF 8 CHEMCATS COPYRIGHT 2008 ACS on STN
Accession No. (AN): 2029550154 CHEMCATS
Catalog Name (CO): Aurora Screening Library
Publication Date (PD): 6 Sep 2007
Order Number (ON): kcd-494755
Chemical Name (CN): Chemical name not yet assigned
CAS Registry No. (RN): 894190-22-8
Supplementary Term (ST): CHEMICAL LIBRARY
Structure :



L18 ANSWER 7 OF 8 CHEMCATS COPYRIGHT 2008 ACS on STN
Accession No. (AN): 2029550146 CHEMCATS
Catalog Name (CO): Aurora Screening Library
Publication Date (PD): 6 Sep 2007
Order Number (ON): kcd-494751
Chemical Name (CN): Chemical name not yet assigned
CAS Registry No. (RN): 894190-07-9
Supplementary Term (ST): CHEMICAL LIBRARY
Structure :



L18 ANSWER 8 OF 8 CHEMCATS COPYRIGHT 2008 ACS on STN
Accession No. (AN): 2029550142 CHEMCATS
Catalog Name (CO): Aurora Screening Library
Publication Date (PD): 6 Sep 2007
Order Number (ON): kcd-494749
Chemical Name (CN): Chemical name not yet assigned
CAS Registry No. (RN): 894190-00-2
Supplementary Term (ST): CHEMICAL LIBRARY
Structure :



=> log h

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	17.34	599.65

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.80

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:20:57 ON 07 JAN 2008